L Number	Hits	Search Text	DB	Time stamp	
1	2376	Search Text "two hybrid" or "two-hybrid"		2002,08/21	16:07
			EPC; JPC;		
			DERWENT	0000 100 103	16.00
2	39	GRE or ERE or UAS or estradiol or		2002,08/21	16:28
		dexamethasone or steroid) same ("two hybrid"	EPC; JPG;		
		or "two-hybrid":	DERWENT		
3	2	((GRE or ERE or UAS or estradio) or	USFAT;	2002/08/21	16:28
		dexamethasone or steroid) same ("two hybrid"	EPO; JPI;		
		or "two-hybrid")) same inducib\$5	DERWENT		
4	0	continuous same ((GRE or ERE or UAS or	USFAT;	2002/08/21	16:28
		estradiol or dexamethasone or steroid) same	EPC; JPC;		
		("two hybrid" or "two-hybrid"))	DERWENT		
5	3	(estradiol or dexamethasone or steroid) near	USFAT;	2002,'08/21	16:30
		(UAS or GRE or ERE)	US-PGPUB:		
		(0.1.	EPO; JPD;		
			DERWENT		
6	8	"inducible expression" same ("two hybrid" or	USPAT;	2002/08/21	16:30
•		"two-hybrid")	US-PGPUB;		
			EPO; JPO;		
			DERWENT		



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Addition (NAMISSE) SPECOF EXTENTS AND TRACEMARKS Washington (DOC 2023)

NOTICE OF ALLOWANCE AND FEE(S) DUE

21003

590

08/28/2002

BAKER & BOTTS 30 ROCKEFELLER PLAZA NEW YORK, NY 10112 EXAMINER

LOEB, BRONWEN

ART UNIT CLASS-SUBCLASS

1636 435-004000

DATE MAILED: 08-28-2002

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	09 680.738	10:06.2000	David N. Edwards	HYB775-00 00381A	2494

TITLE OF INVENTION: ADJUSTABLE SENSITIVITY, GENETIC MOLECULAR INTERACTION SYSTEMS, INCLUDING PROTEIN-PROTEIN INTERACTION SYSTEMS FOR DETECTION AND ANALYSIS

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$640	\$0	\$640	11 29 2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231

Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

21003 7590 08 28 2002 BAKER & BOTTS 30 ROCKEFELLER PLAZA NEW YORK, NY 10112			occ (Fee(s) accomp formal I hereb United envelop	Transmitta panying pal drawing, m Cy certify to States Post- be addresse	al. This certificate cannot bers. Each additional paper, sust have its own certificate of netrificate of Mailing or Transhat this Fee(s) Transmittal is al Service with sufficient posta d to the Box Issue Fee address USPTO, on the date indicated by	be used for any other such as an assignment or nailing or transmission. smission being deposited with the ge for first class mail in an a bove, or being facsimile
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE	FIR:	ST NAMED INVEN	TOR	,	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09 680,738	10 06 2000		David N. Edward	6		HYB775-00.00381A	2494
APPLN. TYPE nonprovisional				CATION \$0		YSTEMS, INCLUDING PR TOTAL FEE(S) DUE \$640	DATE DUE
					•	• •	
EXAMI:		ART UNIT	CLASS-SUBCI				
LOEB, BRO	ONWEN	1636	435-00400	0			
1. Change of corresponden CFR 1.363).	ce address or indication of	"Fee Address" (37	2. For printing the names of u	o to 3 re	gistered pa	tent attorneys	
Change of corresponde Address form PTO SB 12	ence address (or Change of 22) attached.	Correspondence	or agents OR, single firm (ha attorney or age	ving as	a member	a registered	
☐ "Fee Address" indicati PTO SB 47: Rev 03-02 of Number is required.	on (or "Fee Address" Indic or more recent) attached. U	ation form se of a Customer	registered pater is listed, no nan	t attorne	ys or agent		
3. ASSIGNEE NAME AND PLEASE NOTE: Unless a been previously submitted (A) NAME OF ASSIGNE	n assignee is identified bel to the USPTO or is being s	low, no assignee data w submitted under separate		natent. In		assignee data is only appropria IT a substitute for filing an assig OUNTRY)	te when an assignment has gnment.
Please check the appropriate	assignee category or categ	ories (will not be printe	d on the patent)	🔾 in	dividual C	corporation or other private g	roup entity 3 government
4a. The following fee(s) are	enclosed:	· ·	yment of Fee(s):				
☐ Issue Fee			heck in the amoun		` ,		
☐ Publication Fee		•	ment by credit car			is attached. / charge the required fee(s), or (credit any overnavment, to
Advance Order - # of C		Depos	it Account Number	r		_(enclose an extra copy of this	form).
Commissioner for Patents is	requested to apply the Issu	ie Fee and Publication F	fee (if any) or to re	-apply a	ny previous	sly paid issue fee to the applicat	ion identified above.
(Authorized Signature)		(Date)					
NOTE: The Issue Fee and other than the applicant; interest as shown by the re	Publication Fee (if requ a registered attorney or a cords of the United States	ired) will not be accep gent; or the assignee of Patent and Trademark O	ted from anyone or other party in Office.				
This collection of informa obtain or retain a benefit application. Confidentiality estimated to take 12 minu completed application for case. Any comments on suggestions for reducing to Patent and Trademark Off NOT SEND FEES OR Commissioner for Patents, Under the Paperwork Re	y is governed by 35 U.S.C. ties to complete, including into the USPTO. Time with amount of time you his burden, should be sentice, U.S. Department of COMPLETED FORMS Washington, DC 20231.	122 and 37 CFR 1.14. gathering, preparing, ar gathering, preparing and require to complete to the Chief Information commerce, Washington, TO THIS ADDRES	This collection is not submitting the on the individual this form and or ion Officer, U.S. D.C. 20231. DOSS. SEND TO:				
collection of information u	nless it displays a valid Of	AB control number.	respond to u	l			

	Application No.	Applicant(s)
	09/680,738	EDWARDS ET AL.
Notice of Allowability	Examiner	Art Unit
	Bronwen M. Loeb	1636
The MAILING DATE of this communication at All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1	S IS (OR REMAINS) CLOSED i 85) or other appropriate comm IT RIGHTS. This application is	n this application. If not included unication will be mailed in due course. THIS
 This communication is responsive to <u>9 August 2002</u>. The allowed claim(s) is/are <u>1,6,8-11,17 and 24</u>. The drawings filed on <u>09 August 2002</u> are accepted by Acknowledgment is made of a claim for foreign priority a)	y under 35 U.S.C. § 119(a)-(d) of have been received. have been received in Application y documents have been receive	on No
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priori (a) The translation of the foreign language provision 6. Acknowledgment is made of a claim for domestic priori Applicant has THREE MONTHS FROM THE "MAILING DATE below. Failure to timely comply will result in ABANDONMEN"	nal application has been receive ity under 35 U.S.C. §§ 120 and/	ed. or 121. a reply complying with the requirements noted
7. A SUBSTITUTE OATH OR DECLARATION must be s INFORMAL PATENT APPLICATION (PTO-152) which gives		
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Drafts 1) hereto or 2) to Paper No (b) including changes required by the proposed draw (c) including changes required by the attached Exam Identifying indicia such as the application number (see 37 Clof each sheet. The drawings should be filed as a separate page of the submitted of the submitted. 	ring correction filed, whiting correction filed, whiting in a single comment of the	ch has been approved by the Examiner. or in the Office action of Paper No he drawings in the top margin (not the back)
9. DEPOSIT OF and/or INFORMATION about the deattached Examiner's comment regarding REQUIREMENT FO		
Attachment(s)		
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-9485) Information Disclosure Statements (PTO-1449), Paper N Examiner's Comment Regarding Requirement for Depos of Biological Material 	8) 4☐ Intervie [,] lo 6☐ Examin	of Informal Patent Application (PTO-152) w Summary (PTO-413), Paper No er's Amendment/Comment er's Statement of Reasons for Allowance Complete: Complete:
		REMY YUCEL, PH.D
		RVISORY PATENT EXAMINER



Z.		_	_			_			_	_
	A	p	p	li	C	aı	'n	t(s)

Notice of Allowability

09/680,738 EDWARDS ET AL.

Examiner Art Unit

Bronwon M. Loob 1636

,	Examiner	Artonic	
	Bronwen M. Loeb	1636	
The MAILING DATE of this communication of the second of the communication of the latest the second of the Office of Upon Potential of the Office or upon petition by the applicant. See	E MERITS IS (OR REMAINS) CI ce (PTOL-85) or other appropria F PATENT RIGHTS. This applic	LOSED in this application. If not te communication will be mailed it	included in due course. THIS
1 This communication is responsive to telepho	ne interview of 12 Sept. 2002.		
2. The allowed claim(s) is/are 1,2,4-6,8-11 and			
The drawings filed on <u>09 August 2002</u> are ac			
4. Acknowledgment is made of a claim for forei		∂(a)-(d) or (f).	
a) ☐ All b) ☐ Some* c) ☐ None o			
1. Certified copies of the priority do	cuments have been received.		
2. Certified copies of the priority do		Application No	
3. Copies of the certified copies of	the priority documents have been	n received in this national stage a	application from the
International Bureau (PCT Ru	ıle 17.2(a)).		
* Certified copies not received:			
5 Acknowledgment is made of a claim for dome	estic priority under 35 U.S.C. § 1	19(e) (to a provisional application	1).
(a) The translation of the foreign language	e provisional application has bee	n received.	
6 Acknowledgment is made of a claim for dome	estic priority under 35 U.S.C. §§	120 and/or 121.	
Applicant has THREE MONTHS FROM THE "MAIL below. Failure to timely comply will result in ABANE	ING DATE" of this communication ONMENT of this application.	n to file a reply complying with th	e requirements noted NOT EXTENDABLE
7. A SUBSTITUTE OATH OR DECLARATION INFORMAL PATENT APPLICATION (PTO-152) wh			√T or NOTICE OF
8. CORRECTED DRAWINGS must be submitte	d.		
(a) including changes required by the Notic		ng Review (PTO-948) attached	
1) 🗌 hereto or 2) 🗍 to Paper No	<u>_</u> .		
(b) including changes required by the propo	sed drawing correction filed	, which has been approved b	y the Examiner.
(c) including changes required by the attack	ned Examiner's Amendment / Co	mment or in the Office action of I	Paper No
Identifying indicia such as the application number of each sheet. The drawings should be filed as a s	(see 37 CFR 1.84(c)) should be wr separate paper with a transmittal le	itten on the drawings in the top ma etter addressed to the Official Draft	argin (not the back) tsperson.
 DEPOSIT OF and/or INFORMATION about attached Examiner's comment regarding REQUIRE 	out the deposit of BIOLOGICA MENT FOR THE DEPOSIT OF I	AL MATERIAL must be submi BIOLOGICAL MATERIAL.	tted. Note the
Attachment(s)			
1 Notice of References Cited (PTO-892)		Notice of Informal Patent Applica	
3 Notice of Draftperson's Patent Drawing Review	•	Interview Summary (PTO-413),	
5☐ Information Disclosure Statements (PTO-1449)7☐ Examiner's Comment Regarding Requirement		Examiner's Amendment/Comme Examiner's Statement of Reason	
of Biological Material	• ===	Other .	
•		Power bons	<u>_</u>
		Remerfican	DU 0

REMY YUCEL, PH.D
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600

	Application No.	Applicant(s)					
	09/680,738	EDWARDS ET AL.					
Interview Summary	Examiner	Art Unit					
	Bronwen M. Loeb	1636					
All participants (applicant, applicant's representative, PTO							
All participants (applicant, applicants representative, in re-							
(1) <u>Bronwen M. Loeb, Examiner</u> .	(3)						
(2) <u>Michelle LaCointe, Applicant's representative</u> .	(4)						
Date of Interview: <u>12 September 2002</u> .							
Type: a)⊠ Telephonic b)☐ Video Conference c)☐ Personal [copy given to: 1)☐ applicant	2)☐ applicant's representativ	re]					
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e) 🗵 No.						
Claim(s) discussed: <u>2,4 and 5</u> .							
Identification of prior art discussed: <u>none</u> .							
Agreement with respect to the claims f) was reached.	g) was not reached. h)	× N/A.					
Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: <u>Ms. LaCointe called to request a corrected Notice of Allowance as the one mailed on 28 August 2002 incorrectly listed the allowed claims as "1, 6, 8-11, 17 and 24". The actual allowed claims are: 1, 2, 4-6, 8-11 and 17. The attached Notice of Allowance is corrected and the Examiner apologies for any inconvenience this has caused.</u>							
(A fuller description, if necessary, and a copy of the amend allowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attached.	copy of the amendments that v						
i) It is not necessary for applicant to provide a sechecked).	eparate record of the substanc	ee of the interview(if box is					
Unless the paragraph above has been checked, THE FOR MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW action has already been filed, APPLICANT IS GIVEN ONE STATEMENT OF THE SUBSTANCE OF THE INTERVIEV reverse side or on attached sheet.	/. (See MPEP Section 713.04 MONTH FROM THIS INTER). If a reply to the last Office VIEW DATE TO FILE A					

REMY YUCEL, PH.D
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600

Examiner Note. You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required



Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135 (35 U.S.C. 132)

37 CFR §1 2 Business to be transacted in writing

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case unless both applicant and examiner agree that the examiner will record same. Where the examiner agrees to record the substance of the interview, or when it is adequately recorded on the Form or in an attachment to the Form, the examiner should check the appropriate box at the bottom of the Form which informs the applicant that the submission of a separate record of the substance of the interview as a supplement to the Form is not

It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,

(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)

- 6) a general indication of any other pertinent matters discussed, and
- by a general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.